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ABSTRACT

Essential elements of teacher preparation programs should become the foundation of instructional leader training. Techniques of Responsive Intervention to Validate Effective Teaching (TRIVET) is an administrative training program that provides instructional leaders with the skills and knowledge to collect data, diagnose instructional effectiveness, and prescribe improvement strategies in classroom teaching appraisal. During the year-long program, principal-teacher teams collaborate to enhance instruction and learn the four processes involved in data collection and analysis: pre-observation conferences to gather lesson plan information; script-tapings to record lesson activities; post-observation conferences to discuss teaching behaviors; and action plans to determine improvement strategies. Nearly 300 principals and teachers have participated since 1988. To determine TRIVET's effectiveness, each participants' pre- and post-teaching analysis test scores, program appraisal, written work, reports of classroom practice changes, and teacher effectiveness profiles were analyzed. Test scores were significantly higher and the program was enthusiastically appraised. Teachers reported changes such as better planning for classroom activities. (110 references) (EJS)

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A Teacher Appraisal System for the Development of Shared Instructional Leadership and Effective Classroom Instruction

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OVERVIEW

As part of the national agenda to Reform the American educational system, much effort has been devoted to the enhancement of teacher education programs. Teachers are being better prepared to meet the challenges of the classroom, and it is now time to better assure their success by concentrating on the pre- and inservice education of principals in the same skills and competencies currently being taught to teachers. By using the same criteria and a common language to describe effective teaching, principals and teachers are more likely to develop a shared sense of vision and commitment to improving instruction. Without knowledge of the teacher effectiveness research and accompanying supervisory skills, the principal is unable to provide adequate and consistent support to help teachers maintain those skills acquired in preservice training. Moreover, principals who are truly instructional leaders provide direction for the collaborative enhancement of these skills. In effect, the essential elements of the professional preparation programs for teachers must also become the foundation of training for principals and supervisors.

To this end, a program has been developed entitled Techniques of Responsive Intervention to Validate Effective Teaching (TRIVET). TRIVET is an administrative training program that provides the instructional leader with the skills and knowledge necessary to effectively appraise classroom teaching. Based on the current research in teacher effectiveness, the program enables participants to collect data, diagnose the effectiveness of instruction, and prescribe needed strategies for improvement. Through actual implementation with classroom teachers, participants learn to identify specific

instructional behaviors that lead to improved student achievement and overall teacher effectiveness. Participants are trained to use a Pre-conference to gather significant information about the teacher's overall planning as context for the lesson to be observed, Script-taping to record activities that occur during the lesson and to distinguish between events that went well and those that were not successful, Post-conferencing to discuss how the teaching behaviors impacted student learning and to consider alternate ways to present the lesson, and the Action Plan to collaboratively determine areas for growth, strategies for improvement, criteria for success, a timeline, and resources for assistance.

Nearly 300 principals and teachers have participated in TRIVET training since 1986. The program has been offered both as a graduate course and as a year-long workshop through the department of educational administration. The success of the program has been evaluated annually through the appraisal of written materials accompanying each participant's observations, an evaluation of the training by participants at the conclusion of the program, and the extent to which each participant's skills improved as a function of the training. To determine participant growth, a videotaped teaching segment is appraised prior to and following the TRIVET training program. A comparison between pre- and post-test results for each year since 1988 has shown considerable gain in 90% of the participants. Feedback sheets kept on the written materials submitted with each of several observations revealed steady improvement in the quality of participant Pre-Conferences, Scripting, Past-Conferences, and Action Plans. Throughout the four years TRIVET has been taught, participants

have evaluated the program as outstanding, and have expressed enthusiastic support and appreciation for the experience. Collectively, these results indicate that the program is making an impact on using what we know about teaching to improve the quality of supervision and support provided by the building principal. The efficacy of the TRIVET training program was statistically determined through an in-depth research study involving two experimental groups and one control group. The gains made by both groups of trainees were significantly stronger than those of the control group, and the impact of the training was maintained over time with six-month follow-up scores showing an increase over post-test scores (Peters, 1990). Therefore, we believe that the program has considerable merit for institutions preparing building principals, mentor teachers, peer advisors, and instructional supervisors. The use of the TRIVET system will increase the likelihood that the instructional support given classroom teachers will be congruent with their academic training and field experience.

THE TRIVET PROGRAM

The TRIVET program is a staff development effort to involve the building principal and classroom teacher in a collaborative effort to improve classroom instruction. Techniques of Responsive Intervention to Validate Effective Teaching, known as TRIVET, is a year-long training program that provides building principals and lead teachers the opportunity to develop the competencies necessary to effectively appraise classroom teaching and prescribe strategies for improvement. These principal-teacher teams work collaboratively during the training to enhance the instructional effectiveness of the entire building.

The TRIVET training includes four processes for the collection and analysis of classroom data. They are (a) the **Pre-observation Conference** (b) **Script-taping** (c) the **Post-observation Conference** and (d) the **Action Plan.**

To accurately distinguish effective from ineffective instruction and to prescribe viable remediation or enrichment strategies for improvement, participants are provided training in the teaching behaviors identified by the Teacher Effectiveness and Process-Product research as positively correlated with student achievement. These behaviors include: (a) examination of year-long, unit, and daily **Planning**, including congruence among objectives, strategies, and assessments, the developmental sequencing of classroom activities, and the use of Bloom's taxonomy for variety of mental processing; (b) distinguishing effective from ineffective **Behavior Management**, including the use of a discipline plan, various levels of student involvement, grouping, pacing, and focusing attention as a management technique; (c) the **Organization of Time, Space, and Materials**, focusing on the efficient use of academic engaged time, transitions, routines and procedures, materials handling, and physical setting; (d) **Learning Climate** or the establishment of a businesslike and task-oriented atmosphere, nurturing positive teacher-pupil relations, including cooperative learning and the use of student interest surveys; (e) the **Assessment** of students prior to, during, and following instruction, using valid paper and pencil methods as well as several non-paper and pencil methods such as signalling or webbing, and correctly using standardized test results; (f) **Instructional Methods**, examining the criteria for effective motivation,

objectives, how to select the appropriate instructional strategy, and various elements of lesson design such as critical attributes, modeling, questioning, etc.; (g) **Oral and Written Communication**, including the effective use of the chalkboard, communications with parents and students, and providing clear explanations related to content; and (h) the fifteen TESA behaviors for teacher expectations.

During the training, participants review pertinent research findings, discuss specific instructional problems, and practice their appraisal skills on videotaped teaching segments. Between sessions, participants implement their training in the actual classrooms of fellow teachers in a collegial analysis of instructional behaviors. Each team jointly examines the instructional program in its particular building in order to identify the individual and collective needs for staff development pursuant to reform.

In the four years since its inception, the TRIVET program has involved over 1,700 classroom observations, the culmination of which has been over 1,500 classroom Action Plans developed to improve instruction throughout northeast Ohio. If TRIVET training results in the improvement of classroom instruction, it is anticipated that student achievement will increase proportionately.

TRIVET--A REVIEW OF SELECTED LITERATURE

The components of the TRIVET system of teacher appraisal--the four processes for data collection and analysis, the seven modules for effective instruction, the year-long format including actual implementation with classroom teachers, and the collaboration among principals and teachers--are wrought from the instructional provisions of the Effective Schools, Teacher Effectiveness, Reform, and

Accountability research. Throughout the literature, teacher appraisal has received considerable attention as the primary reagent for helping teachers improve classroom instruction (Acheson & Gall, 1987; Bolton, 1973; Buttram & Wilson, 1987; Castetter, 1986; Castetter & Burchell, 1967; Dunkleberger, 1982; Foley, 1981; George, 1987; Gephart & Engle, 1983; Jacobson, 1987; Johnson & Snyder, 1986; Klitgaard, 1987; Martin 1983-84; Medley & Crook; 1980; McGreal, 1988; NAESP, 1988; Popham, 1981; Prince, 1983-84; Redfern, 1964, 1966, 1980; Turner, 1986; Wise, Darling-Hammond, McLaughlin, & Bernstein, 1984).

With the current interest in educational reform and greater accountability for student achievement, have come increased attention to specific teacher behaviors and the relationship between the quality of instruction and student outcomes (Brophy, 1989; Calabrese, 1986; Cotton & Savard, 1980; DeRoche, 1981; Foley, 1981; Hobar & Sullivan, 1983-84; Leithwood & Montgomery, 1982; Lezotte, 1982; McGreal, 1988; Medley & Coker, 1987; NAESP, 1986; Robinson, 1985; Rupley, Wise, & Logan, 1986; Texas, 1986-87; Turner, 1983). The significant contribution of teacher appraisal to the Reform and Accountability initiatives, specifically in the improvement of student achievement, depends on making it possible for evaluators to identify competent teaching, to identify ineffective teaching behaviors, to prescribe specific strategies for improvement, and to validly monitor changes in teacher competency (Bartalo, 1988; Bolton, 1973; Calabrese, 1986; Good & Brophy, 1984; Hall, 1980; Klitgaard, 1987, Leithwood & Montgomery, 1984; Medley, Coker, & Soar, 1984; NAESP, 1988; Popham, 1981; Prince, 1983-84, Redfern, 1980; Sadler, 1982).

Prior to 1950, classroom appraisal was more a function of such

indirect variables as teacher personality and/or the number of "tallies" on a checklist than on the direct interaction between teacher and student. Despite their popularity, neither the trait nor the checklist approaches resulted in greater pupil learning gains (Medley et al., 1984). It was not until the latter half of the 1900s that teacher evaluators began to record and analyze teacher behaviors in terms of their effect on student response (Anderson, 1954; Furst, 1971; Hobar & Sullivan, 1984; Medley, 1972; Medley & Mitzel, 1958; Rosenshine, 1970; Soar, 1972a, 1972b; Soar, Medley, & Coker, 1983). The teacher behavior-student response approach to classroom appraisal has been the onus of the Teacher Effectiveness and Process-Product research. Classroom performance is carefully scrutinized to distinguish the behaviors of effective teachers from those who are unsuccessful (Acheson & Gall, 1987; Brophy, 1973; Brophy & Evertson, 1974; Crawford et al., 1978; Duffy, 1981; Dunkin & Biddle, 1974; Furst, 1971; Good, 1983-84; Hobar & Sullivan 1984; Medley & Crook, 1980; Rosenshine & Furst, 1973; Rupley et al., 1986; Soar & Soar, 1972).

The Effective Schools research has placed considerable emphasis on the principal's performance as an instructional leader rather than as a building manager. Strong correlations were found among principal expectations for teachers, teacher expectations of students, and student achievement. In effective schools, the role of the instructional leader was to establish with the building staff specific learning expectations, deliver to teachers the necessary materials to carry out the instructional programs, and continuously evaluate the level of mastery evidenced by students and staff alike (Anderson &

Nicholson, 1987; Brookover et al., 1982; Brookover & Lezotte, 1979; Calabrese, 1986; Cotton & Savard, 1980; DuFour & Eaker, 1987; Gigliotti & Brookover, 1975; Jackson, Logsdon, & Taylor, 1983; Johnson & Snyder, 1986; Klitgaard, 1987; Leithwood & Montgomery, 1982; Lezotte, 1983; MacPhail-Wilson & Guth, 1983; Manasse, 1984; McCurdy, 1983; NAESP, 1986; O'Neill & Shoemaker, 1989; Robinson, 1985; Weller, 1985; Worner & Stokes, 1987; Zumwalt, 1982).

Despite the importance of teacher appraisal and the principal's position of authority to perform it, scholars and practitioners alike perceive it as ineffective in improving the quality of classroom instruction (Buttram & Wilson, 1987; Castetter, 1986; Ellis, 1984; Harris, 1987; McGreal, 1988; Prince, 1983-84; Savage, 1982; Smith, 1984). As the person most directly responsible for classroom evaluation, the principal has been subjected to considerable scrutiny by researchers. Among the principal's weaknesses is <u>the inability to connect specific teacher behaviors with student outcomes</u> (Acheson & Gall, 1987; Bartalo, 1988; Bolton, 1973; Calabrese, 1986; Castetter & Burchell, 1967; Klitgaard, 1987; Lamb & Thomas, 1981; Leithwood, Stanley, & Montgomery, 1984; Russell, Mazzarella, White, & Maurer, 1985; Soar, Medley, & Coker, 1983; Wood & Pohland, 1979). A second weakness is the principal's <u>inability to distinguish effective from ineffective instruction</u> (Castetter & Burchell, 1967; DeRoche, 1981; DuFour & Eaker, 1987; Jacobson, 1987; Johnson & Snyder, 1986; Klitgaard, 1987, Klopf, Scheldon, & Brennan, 1982; Lamb & Thomas, 1981; Larsen, 1987; Leithwood & Montgomery, 1982; MacPhail-Wilson & Guth, 1983; Manasse, 1984; Notar, 1987; O'Neill & Shoemaker, 1989). A third difficulty is the <u>lack of consistency among appraisers as to</u>

what is effective. When there is more than marginal variance in the interpretation of a teaching segment, the impression given is that effective teaching is more a function of principal taste than of sound pedagogy (Calabrese, 1986; Furst, 1971, Medley & Mitzel, 1958; Soar et al., 1983). A fourth weakness is the persistence of an adversarial rather than collaborative relationship between the teacher and principal in the evaluation of classroom teaching. When appraisal is perceived as a weapon for fault-finding rather than as a group process for problem-solving, there is resistance among teachers against any proposed reforms (Acheson & Gall, 1987; Bartalo, 1988; Castetter & Burchell, 1967; DuFour & Eaker, 1981; George, 1987; Jacobson, 1987; McGreal, 1982, 1988; O'Neill & Shoemaker, 1989; Popham, 1988; Soar et al., 1983; Wood & Pohland, 1979). Another source of teacher distrust is the feeling that the principal is out of touch with what occurs in classrooms, especially the extenuating circumstances that prevent teachers from being successful (Acheson & Gall, 1987; Andrews & Knight, 1987; Lamb & Thomas, 1981; March, Peters, & Orrach, 1988; Seyfarth & Nowinski, 1987; Turner, 1986).

Most researchers have attributed each of the above weaknesses to a singular problem: the lack of appropriate training. It is unfortunate that the majority of preparation programs for principal certification require very little coursework or field experience in instructional supervision. This lack of training in the appraisal of classroom teaching seriously impairs the ability of the principal to distinguish effective from ineffective instruction and to provide meaningful intervention (Andrews & Knight, 1987; Bartalo, 1988; Bolton, 1973; Brandt, 1987; Buttram & Wilson, 1987; Calabrese, 1986;

DuFour & Eaker, 1987; Good, 1983-84; Johnson & Snyder, 1986; Klitgaard, 1987; Lewis, 1983-84; McKenna, 1981; Rutherford, Hord, & Thurber, 1984; Seeley, 1984; Snyder, 1984; Turner, 1986; Wise et al., 1984).

TRIVET was developed in response to the need for more effective classroom appraisals. As a staff development program, TRIVET involves principals and lead teachers in a collaborative effort to diagnose the instructional program in each building and to prescribe the necessary reforms for improvement. As part of a larger project to assess, monitor, and eventually increase student performance levels, TRIVET focuses on the following correlates in the Effective Schools research: The instructional leadership of the building principal, the quality of classroom teaching, and teacher expectations for student success. Each of the components of the TRIVET program is derived from needs identified in the Effective Schools, Teacher Effectiveness/Process-Product, Reform, and Accountability research.

The skills and attitudes necessary to conduct effective classroom appraisal are developmental and must be nurtured over time and advantaged by actual practice (Acheson & Gall, 1987; Andrews & Knight, 1987; Hunter, 1988; Klitgaard, 1987; Manatt, 1988). To allow adequate time for presentation, application of the skills, and the establishment of effective collegial relationships, the training spans an entire year. The four processes for data collection and analysis are culled directly from the literature: (a) the **Pre-observation Conference** (Acheson & Gall, 1987; Manatt, Palmer, & Hildebaugh, 1976; McGreal, 1982, 1988; Petrie, 1982; Prince, 1983-84; Redfern & Hersey, 1980; Stow & Sweeney, 1981; (b) **Scripting** or data-

gathering during the classroom observation (Acheson & Gall, 1987; Duke & Stiggins, 1986; Ellman, 1976; Good & Brophy, 1984; Hunter, 1988; Lamb & Thomas, 1981; Manatt et al., 1976; Medley et al., 1984; McGreal, 1982; NAESP, 1988; Savage, 1982); (c) the **Post-observation Conference** (Acheson & Gall, 1987; Bartalo, 1988; Berliner, 1980; Bolton, 1973; Duke & Stiggins, 1986; Dunkleberger, 1982; Hunter, 1988; Jacobson, 1987; Klitgaard, 1987; Manatt et al., 1976; Medley et al., 1984; McGreal, 1988; NAESP, 1988; Redfern & Hersey, 1980; Sadler, 1982; Scriven, 1988; Sweeney, 1982); and (d) **Action Planning** (Acheson & Gall, 1987; DeRoche, 1981; Good & Brophy, 1984; Hunter, 1988; Jacobson, 1987; Klitgaard, 1987; Lamb & Thomas, 1981; Manatt et al., 1976; McGreal, 1988; NAESP, 1988; Redfern & Hersey, 1980).

The criteria for effective instruction are derived from the Teacher Effectiveness research and include Planning; Behavior Management; Organization of Time, Space, and Materials; Learning Climate; Student Assessment; Instructional Methods; and Oral and Written Communication (Acheson & Gall, 1987; Bartalo, 1988; Bolton, 1973; Brandt, 1987; Calabrese, 1986; Conley, 1987; Costa, Garmston, & Lambert, 1988; Dunkleberger, 1982; Duke & Stiggins, 1986; Foley, 1981; Hunter, 1988; Jacobson, 1987; Manatt, 1988; McGreal, 1988; Medley et al., 1984; NAESP, 1988; Pembroke & Goedert, 1982; Prince, 1983-84; Redfern & Hersey, 1980; Sadler, 1982; Seyfarth & Nowinski, 1987; Stow & Sweeney, 1981).

Developed in accordance with current research and the demands for Reform, the TRIVET program represents a viable approach to training principals and lead teachers to conduct classroom appraisals that will result in meaningful improvements in the instructional program.

CONCLUSION

Since the goal of teacher appraisal is the improvement of instruction, this program offers a process which allows administrators to impact what happens in classrooms. This first step of retraining administrators and lead teachers entails the use of a systematic research-based approach to classroom appraisal and analysis of a lesson. Through appropriate diagnosis and development of prescriptions for improvement, the administrator demonstrates a knowledge of good instruction. The overall implication is that by offering suggestions for improved classroom instruction, the principal can facilitate increased teacher effectiveness, and the achievement levels of students can be enhanced.

TRIVET OUTCOMES THUSFAR

To determine the effectiveness of the TRIVET program, several measures were considered: (a) the pre- to post-test comparison of each participant's analysis of a videotaped classroom teaching segment, (b) the appraisal of the TRIVET program by participants, (c) the quality of the participants' written work in the appraisal of actual classroom teaching, (d) teacher self-report of changes in their classroom practices following TRIVET, and (e) the competence level of participating teachers as indicated on Teacher Effectiveness profiles collaboratively developed by each teacher and his or her building principal.

Pre- to post-test comparison. The overall score on the pre- and post-test was composed of 92 separate variables for the data collection, analysis, and prescription components combined for a total of 252 points. A score of 252 points is virtually perfect, requiring

the observer to note absolutely every miniscule detail of the lesson. It is more realistic to hope that even the most astute observer could note just over half the detail, or earn 140 points. Table one shows the mean results for each group of participants since 1988. The 1988-89 administrator group scored a pre-test mean of 38.31 and a post-test mean of 95.11 for a mean gain of 56.80 points. The 1988-89 administrator-teacher group scored 20.74 and 111.94 for a mean gain of 91.20 points (As a part of this study, a control group was included. This group received no training but were administered the pre- and post-test. The earned pre-test mean score was 35.41 and the mean post-test score was 37.91 for a mean gain of 2.5 points.).

The 1989-90 administrator group had pre-post scores of 48.54 and 88.23 for a mean gain of 39.69 points, and the 1989-90 administrator-teacher group scored 23.24 and 116.19 for a mean gain of 92.95 points. Finally, a 1989-90 group of teacher peer advisors earned 30.10 and 111.95, for a mean gain of 81.85 points. Table 1 also shows that in both years, the administrator-only group began the training with more skill than the teacher-administrator and teacher peer advisor groups in the area of data collection, but on the post-test, the administrator-only groups actually obtained lower scores, showing less growth than the other two groups. In the analysis area, the groups' initial scores showed no significant differences among them, but on the post-test, the administrator-only groups once again scored lower than the groups of administrators and teachers together.

The peer advisor group of teachers showed the greatest gain scores in the analysis area, obtaining the highest score of any group on the post-test. Likewise, the peer advisors did significantly better than any of the other groups in the area of prescription.

Table 1

Pretest and Post-test Means for the TRIVET Participants for the Subscales and the Overall Assessment

	Pretest Mean	Post-test Mean	Points Gained
Data Collection			
administrator 1988-89	29.31	72.19	42.88
teacher/administrator 1988-89	12.58	82.26	69.68
administrator 1989-90	38.92	64.77	25.85
teacher/administrator 1989-90	15.76	84.76	69.00
teacher peer adivisor 1989-90	18.90	76.10	57.20
Analysis			
administrator 1988-89	7.53	18.03	10.50
teacher/administrator 1988-89	6.68	23.90	17.22
administrator 1989-90	7.54	18.23	10.69
teacher/administrator 1989-90	6.22	25.03	18.81
teacher peer advisors 1989-90	8.55	27.90	19.35
Prescription			
administrator 1988-89	1.47	4.89	3.42
teacher/administrator 1988-89	1.48	5.77	4.29
administrator 1989-90	2.08	5.23	3.15
teacher/administrator 1989-90	1.43	6.41	4.98
teacher peer advisors 1989-90	2.65	7.95	5.30
Overall			
administrator 1988-89	38.31	95.11	56.80
teacher/administrator 1988-89	20.74	111.94	91.20
administrator 1989-90	48.54	88.23	39.69
teacher/administrator 1989-90	23.43	116.19	92.76
teacher peer advisors 1989-90	30.10	111.95	81.85

Table 2 reflects the points gained from the pre- to the post-test in overall ranges. It should be noted that the ranges for administrator-only groups are in the lower half, while the teacher-administrator and peer advisors' scores are centered in the upper part of the scale.

The evidence from the pre- to post-test results indicates a positive impact on the participants' skills in conducting appropriate classroom appraisals as a result of the TRIVET training. However, there is a differential effect of the training between the administrator-only and teacher-administrator groups. The groups of teachers and administrators together showed significantly more gain than did the group consisting only of administrators. The conclusion reached from this difference in the outcomes for the two groups is that the training is more effective when teachers and administrators participate in the training together. The teachers expressed concern about not wanting to look as if they did not know good instruction while they were participating in the workshop with their building principals. Similarly, the principals said they did not want their teachers to think that, as the instructional leaders of their buildings, they did not know effective from ineffective instruction. The presence of the two groups together in the training appeared to raise the level of concern for both groups to perform better than if one or the other groups were in the training alone. The exception to this conclusion is the teacher peer advisor group who out-performed the other groups in the analysis and prescription components. In the first year of their program, the peer advisors were highly motivated to succeed. While still serving in the role of teacher, they evaluate

Table 2

Growth in Appraisal Skill from Pre- to Post-test in TRIVET Participation

	1988-98		1989-90		
Point Gain from Pre- to Post-test	administrator	teacher/ administrator	administrator	teacher/ administrator	peer advisor
0-10	1	0	1	0	0
11-20	2	0	2	0	0
21-30	1	0	2	0	0
31-40	3	0	2	1	2
41-50	7	0	2	0	0
51-60	4	1	1	2	1
61-70	4	5	1	2	3
71-80	12	4	2	7	3
81-90	1	5	0	7	3
91-100	1	6	0	7	4
101-110	0	3	0	8	2
111-120	0	5	0	2	2
121-130	0	1	0	0	0
131-140	0	1	0	1	0
	N=36	N=31	N=13	N=37	N=20

teachers, perform demonstration lessons, and work toward instructional improvement as their main job function.

Participant evaluation of TRIVET. Since its inception in 1988, the TRIVET program has enjoyed consistently enthusiastic appraisal by the nearly 300 participants, with 80% of the categories receiving the highest rating. Among the most frequently-cited strengths of the program have been the materials, the organization of the training, the data collection and analysis procedures, the actual observation of classrooms, workable suggestions for utilizing Bloom's Taxonomy, non-traditional assessments, learning styles, and instructional planning, the summaries of current research on teacher effectiveness, the opportunity to exchange ideas among other teachers and administrators, and the effectiveness of the workshop instruction. Among the skills respondents felt they gained as a function of their participation have been improvements in their own classroom instruction, citing areas such as planning, classroom management, learning climate, questioning skills, non-traditional assessments, and models of teaching. Participants also cited helpful reflectivity about their own strengths and weaknesses, increased skill in the diagnostics of classroom teaching and prescriptions for growth, greater understanding of Bloom, TESA, and learning styles and an expanded awareness of how to utilize cooperative learning. Other areas of growth reported by respondents included an increased sensitivity to others' needs, improved conferencing skills, and a greater sense of collaboration among staff members.

The quality of participants' written work. Participants were required to submit written assignments, each consisting of the four

processes: Pre-observation conference, scripting of class events, thePost-observation conference, and the Action Plan. To monitor the continued improvement in the quality of this written work, instructors completed a review sheet of evaluation criteria for each observation. The maximum number of points for each observation was 12. At the conclusion of the 1989-90 project year, 82% of the participants earned between 75 and 100% of the points possible; 53% earned between 83 and 100% of the points possible, and 24% earned between 92 and 100% of the points.

Teacher self-report of changes in classroom practice. In a follow-up survey, teacher participants of the 1989-90 TRIVET training reported several changes in their teaching practices as a result of their involvement. The most frequently-cited changes include an increased comfort level in working with fellow teachers to both seek and give feedback, greater specificity in making prescriptive suggestions, a healthier appreciation of differences among teaching styles, and an improved sense of confidence for honest self-appraisal and risk-taking. Additional changes were identified in the specific teacher effectiveness areas of planning, classroom management, organization of time, space, and materials, learning climate, student assessment, instructional methods, and oral and written communication.

Teacher Effectiveness profiles. At the conclusion of the program, TRIVET-trained principals and the TRIVET-trained teachers in their buildings collaboratively examined each teacher-trainee's level of competence in the behaviors identified by the Teacher Effectiveness research. These behaviors are those directly addressed throughout the TRIVET training. Of the 36 teachers profiled following the 1989-90

training, 99% of the participants scored at least 75% of the 60 possible points on the profiles. Specifically, 67% scored between 90% and 100%, 22% scored between 80% and 89%, and 11% between 70% and 79% of the points possible.

AASA: 2/91

TRIVET ©

RE-OBSERVATION CONFERENCE
INTERVIEW FORM

Observer M.M.H. 21
Observation No. #2 Date 10/30/90

Teacher Darlene Conference Date 10-13-90 Time 7:45 AM.
Subject/Grade Level Art I Observation Date 10-15-90 Time 12:40pm.

LEVEL I: MAP/OVERVIEW

1. I see from the course outline and lesson plan the lesson I'll be observing comes from a unit/chapter on major styles of sculpture.

2. How much time will you spend on this UNIT? 3 weeks

3. What lead-up skills/content have prepared students for this UNIT?
   A 3 week pottery unit working with clay; used potters wheel and free form.

4. How does this unit prepare students for/relate to subsequent UNITS?
   Impressionistic painters coinciding in time with Impressionistic sculpture; both have characteristics and artistic interpretations in common.

LEVEL II: UNIT/CHAPTER

5. Objectives for the UNIT: What do you want students to be able to do at the end of this UNIT?

The student will:
(1) list the major styles and periods of sculpture.
(2) spell each name correctly.
(3) describe each sculpture style, including material used and subject treated
(4) complete a 3 page (out-of-class) research paper on style of choice.
(5) create 3 in-class sculptures

(6 – 9. Listen and probe for the response to include Teacher Behavior and Student Response.)

6. Introduction (Q-1)
   show models of sculptures from various periods, styles
   brainstorm connection between sculpture and pottery (previous unit)
   explain unit activities, objectives, rationale

7. Information (Q-2)
   - Study guide detailing who, what, when, how of each period; lecture/discussion to fill in
   - slides of samples for each period
   - teacher demonstrations of sculptures
   - explanation of how to do research paper (uses model)

8. Practice (Q-3)
   - quizzes, tests
   - research paper (as per criteria)

9. Integration (Q-4)
   original sculptures, including written analysis will be done by all students

10. How will students apply what they have learned in this UNIT during the remainder of this course or other courses? team work / cooperative learning to complete portions of the study guide (this carries over into other areas of the curriculum). Evaluating a work of art using criteria; research paper; compare and contrast attributes of art periods/style.

LEVEL III: DAILY

11. Where in the UNIT does this lesson occur?

✓ beginning ____ middle ____ end ____ review for test

12. What will you do?	13. What will students do?	14. Grouping/Physical Setting
Introduction of sculpture · objectives and activities for unit outlined (3 sculpt/ research paper/ test, etc. · connection of this unit to the pottery unit.	listening	whole group
· show models of sculpture from various periods and describe each; work through study guide listing each type.	listening and taking notes on study guide; observe bulletin board displays.	"
· describe activity period of working with clay to produce Intaglio design.	Work with materials to produce Intaglio design	individual work

15. Are there any particular things you would like me to notice (e.g., individual students and/or groups, a particular strategy or activity, classroom management technique, relationships within the class, etc.)

1. special bulletin board on sculpture types.
2. class discipline
3. Jim - he tends to sleep in class
4. some s's have trouble following directions.

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period_____Date_____ Teacher_____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvabale Points

AASA: 2/91

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period_____Date_____ Teacher_____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvabale Points

TRIVET ©

SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period_____Date_____ Teacher_____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvabale Points

AASA: 2/91

TRIVET ©

SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period_____ Date_____ Teacher_____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvabale Points

AASA: 2/91

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer M.M.H. Class/Period Art I p.7 Date 10-15-90 Teacher Darlene

Physical Arrangement s's seated at tables

Materials study guide sheets /pencils No. of Students 20

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvable Points
12:43	OK·· start at the top -- consider primitive sculpture first. On bulletin board -- examples of primitive sculpture. You see it as simple; used magical being -- simple and crude. Made from materials readily available.	ss listening in large group	100%	attractive display of sculpture types.	did not use bulletin board directly as part of the lesson presentation. ss were unable to see concrete representations of styles.
	It would be a good idea to take notes	s's began to take notes after getting materials out.			s's not told in advance that they were to take notes, so they were not prepared to do so; loss of time to procure needed materials.
	do you need a pencil Jim?	Jim - Yes			
12:44	tchr. says OK·· goes to get Jim a pencil from the cupboard; asks if anyone else needs a pencil?				
	Going on, Egyptian style -- Egyptians were interested in death and created sculpture for dead people; honored their leaders.				teacher used "um" and "OK" throughout lecture; voice also is a monotone.

AASA: 2/91

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period_____ Date_____ Teacher_____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvable Points
	Greek -- we have another term Greek and Roman -- classical period				
	Can all of you read the study guide? I guess it should be more clear.	A student asks about #7		responded to s's questions / needs.	
	#7 is Baroque (tchr. spelled word); when we come to it, I will explain.				
12:45	We discussed Greek and Roman showing heroic and everyday people.			classroom control in place	due to quality of handout and s's asking for help in reading it, the lesson jumped around
		s's raised hand and asked how to spell another term			
	Chris?	asked about Renaissance.			
	Renaissance? - Oh! I need my glasses for that one. Tchr. spelled term after locating glasses.				
	#9 is Impressionists -- can you see that? It is hard to read. Spelled Impressionistic.				

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period _____ Date _____ Teacher _____

Physical Arrangement _____

Materials _____ No. of Students [ ]

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvable Points
	Gave characteristics of this type -- they experimented with materials -- dab on, rough surface, very interesting, mostly human. Roden (sp?) was leading impressionistic sculpture.		2 s's playing tic-tac-toe		the same amount and type of information are not presented about each type; s's have no consistent info about each style.
	Tchr. then covered #10		another sleeping		tchr. covered 10 types of sculpture in less than 5 minutes. Study guide clarity caused several interruptions.
	pick one of the 10 listed to do more research and a paper on. Pick out one you want to know more about.				
	Now we have gone through the styles, I want you to pick out one of them to work on, on your own -- use later on in project.				
	Use for Intaglio design today.				

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SCRIPT TAPE OF CLASSROOM OBSERVATION

Observer _____ Class/Period _____ Date _____ Teacher _____

Physical Arrangement _____

Materials supplies for project, clay, newspapers, etc. No. of Students

Time	Teacher Behavior	Student Response	Students On-Task	Lesson Analysis: Strengths	Lesson Analysis: Improvable Points
12:48	I will get materials for you. We probably should have some newspapers --- Jim, will you get some newspaper? -- oh-- about 26 sheets should do it.	Jim goes to supply room, comes back w/newspapers and comic papers		gave Jim a role to play	did not have materials in room where needed.
	This will be a relief sculpture. I asked one person what relief was and she said, "when your project is finished."	almost no reaction from s's			tchr. did not explain relief sculpture. expectations for s's were not made clear. "relief" joke -- s's did not relate
		one ss raised hand and asked -- "what are we supposed to do?			
	Well, experiment with it and see what you come up with.				

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POST- OBSERVATION CONFERENCE PLANNING FORM

(This form need not be shared with the teacher.)

1. POTENTIAL BARRIERS (What might prevent conference objectives from being met.)
   - gender (may be a problem)
   - experience (she is a veteran; principal is new)
   - principal has little experience with Art.
2. STRENGTHS (What went well and why; documentation is in script.)
   - display of sculpture types
   - study guide prepared in advance
   - responded to student needs
   - gave Jim a role to play
3. IMPROVABLE POINTS (What did not go well and why; documentation is in script.)
   - did not explain to s's to take notes at the outset of the lesson
   - poor quality of study guide caused s's to ask many questions for clarification
   - did not draw s's attention to sculpture models or to the bulletin board display.
   - confusion among students about how to begin w/ clay (what was expected?)
   - did not provide consistent information about each sculpture type.
4. AREAS TO BE ADDRESSED FROM PRE-CONFERENCE
   - did you forget to do unit intro?
   - bulletin board not utilized, where were models
   - Jim participated
   - s's ability to follow your directions (confusion?)
5. OBJECTIVES (What you want the teacher to do as a result of the conference; some of these should appear on the Action Plan.)

   The teacher will:
   1. redo study guide before next use.
   2. tell s's at beginning of class what they will be expected to do.
   3. refer to models/bulletin board display as you do presentation
   4. set up format to provide consistent info about each style
   5. check for understanding as you go by having ss restate important information.
6. ALTERNATIVE APPROACHES (What other activities, strategies, or techniques might also be effective in this lesson?)

   -instead of using a study guide, use overhead/chalkboard to deliver information; this would assist w/ spelling and you could outline consistent info about each style.

   - after presenting info about some of the periods, ask s's to hypothesize about the next one from samples of sculpture.

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ACTION PLAN

Teacher Darlene Class/Period 7th Subject Art I Date 10-15-90

Area for Growth	Suggested Strategies (begin with a verb . . .)	Criteria for Success (so that . . .)	Time Frame	Role of Support Personnel (If Any)
vality of study guide	1. Revise study guide for next use organize info by the periods to show: characteristics, famous artists, terminology, materials used.	s's can use study guide without questions about legibility	1 month	Secretary; student assistant if given lead time. I will help if you want.
	2. Give outline of unit on the overhead projector / chalkboard	ss can record needed information	1 day	
	3. Give directions for note-taking at the beginning of the lesson; tell s's in advance to bring pencil, paper, other supplies	s's begin taking notes immediately	tomorrow	
Check for Understanding and Guided Practice	1. Ask s's to describe various art sculpture periods after you present each one.	s's can be sure they have needed information for each period	tomorrow	none needed
	2. Organize what you will say about each period; jot down as notes so when interrupted, you can go back to your place.	you provide info in a consistent manner		
	3. Have students work together on study guide [cooperatively, as teams or pairs]	s's have correct information to assist in development of various sculptures and prepare for the test.		

AASA: 2/91

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